



INFORMATION DISCLOSURE CITATION

Docket Number (Optional)

CORTECH-103J

Application Number

10/055,256

Applicant(s)

Dale et al.

Filing Date

January 22, 2002

Group Art Unit

3737

U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,836,557	12/28/2004	Tamez-Peña <i>et al.</i>			

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		2003/0088177	05/08/2003	Totterman <i>et al.</i>			09/04/2002

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY			Translation	
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		WO 02/43003	05/30/2002	WIPO				
		WO 03/021524	03/13/2003	WIPO				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

		Fox <i>et al.</i> , "Visualization and Quantification of Rates of Atrophy in Alzheimer's Disease", The Lancet, Vol. 348, July 13, 1996, pp. 94-97.
		Crum <i>et al.</i> , "The Use of Regional Fast Fluid Registration of Serial MRI to Quantify Local Change in Neurodegenerative Disease", Dementia Research Group, Department of Clinical Neurology, Institute of Neurology, London, UK, MIUA99 On-line proceedings, 1999 (4 pages).

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		Thompson <i>et al.</i> , "Cortical Change in Alzheimer's Disease Detected With a Disease-specific Population-based Brain Atlas", Cerebral Cortex, Jan. 2001, pp. 1-16.
		Dale <i>et al.</i> , "Cortical Surface-Based Analysis", NeuroImage 9, (1999) pp. 179-194.

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		Dale, Abstract "Fully Automated Whole-Brain Segmentation and Morphometric Analysis: A Site-Independent Approach", http://www.nimh.nih.gov/neuroinformatics/society2001abstracts.cfm , 2001.
		J.A.Castelijns, F. Barkhof, "Magnetic Resonance (MR) Imaging as a Marker for Multiple Sclerosis", Biomed & Pharmacother, 1999, pp. 351-357.

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		Laakso et al., "Hippocampus in Alzheimer's Disease: a 3-year Follow-up MRI Study", Society of Biological Psychiatry, 2000, pp. 557-561.
		G. Calmon, N. Roberts, "Automatic Measurement of Changes in Brain Volume on Consecutive 3D MR Images by Segmentation Propagation", Magnetic Resonance and Image Analysis Research Centre, University of Liverpool, Liverpool, UK, 1999, Magnetic Resonance Imaging 18 (2000), pp. 439-453.

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		Bharatha et al., "Evaluation of Three Dimensional Finite Element-based Deformable Registration of Pre- and Intra-Operative Prostate Imaging", Med Phys 28:2551-2560, 2001 (43 pages).
		Ferrant et al., "Registration of 3D Intraoperative MR Images of the Brain Using a Finite Element Biomechanical Model", In Proceedings of Third International Conference On Medical Robotics, Imaging and Computer Assisted Surgery, Pittsburgh, Pennsylvania, USA. 2000. pp.19-28.

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		Ferrant M., "Physics-Based Deformable Modeling of Volumes and Surfaces for Medical Image Registration, Segmentation and Visualization", Ph.D. Thesis, Universite Catholique de Louvain, 2001 (143 pages).
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		Ferrant et al., "Surface Based Atlas Matching of the Brain Using Deformable Surfaces and Volumetric Finite Elements", Proceedings of Medical Image Computing and Computer Aided Intervention (MICCAI) 2001, Springer Verlag, 2001, 2 pages.
		Gering et al., "An Integrated Visualization System for Surgical Planning and Guidance Using Image Fusion and an Open MR", Journal of Magnetic Resonance Imaging 2001; 13:967-975, pp. 967-975.

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		Kaus et al., "Simulation of Corticospinal Tract Displacement in Patients with Brain Tumors", In Proceedings of Third International Conference On Medical Robotics, Imaging and Computer Assisted Surgery, Pittsburgh, Pennsylvania, USA. 2000. pp.9-18 (pp. 1-9).
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		Leventon M., "Statistical Models for Medical Image Analysis", (PostScript), Ph.D. Thesis, MIT, 2000, 156 pages.
		Leventon, et al., "Level Set Based Segmentation with Intensity and Curvature Priors", Neurosurgery 48:787798, 2001, 8 pages.

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		Rexilius J., "Physics-Based Nonrigid Registration for Medical Image Analysis", Master's Thesis, 2001. Medical University of Luebeck, Germany, 72 pages.
		Rexilius J, et al., "A Novel Nonrigid Registration Algorithm and Applications", Proceedings of Medical Image Computing and Computer Aided Intervention (MICCAI) 2001, Springer Verlag, 2001, 8 pages.

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		Rexilius, et al., "Automatic Nonrigid Registration for Tracking Brain Shift during Neurosurgery", Workshop Bildverarbeitung fuer die Medizin, Springer Verlag, Heidelberg, Germany, March 2002, p.135-138 (4 pages).
		Ruiz-Alzola et al., "Nonrigid Registration of 3D Scalar, Vector and Tensor Medical Data", In Proceedings of Third International Conference On Medical Robotics, Imaging and Computer Assisted Surgery, Pittsburgh, Pennsylvania, USA. 2000. pp.541-550 (10 pages).

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		Sperling et al., "Regional Magnetic Resonance Imaging Lesion Burden and Cognitive Function in Multiple Sclerosis: A longitudinal study", Arch Neurol. 2001; 58:115-121 (19 pages).
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		Tei A., "Multi-Modality Image Fusion by Real-Time Tracking of Volumetric Brain Deformation During Image Guided Neurosurgery", Master's Thesis, MIT, 2002 (89 pages).
		Fischl et al., "Whole Brain Segmentation: Automated Labeling of Neuroanatomical Structures in the Human Brain", Neuron, Vol. 33, Issue 3, January 31, 2002 pp. 341-355 (with copy accepted for publication) (44 pages total).

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